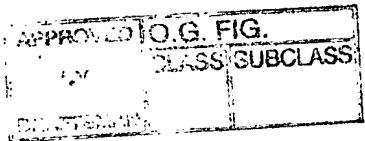


FIG. 1 COMPUTER NETWORK SYSTEM

COMMANDS	FUNCTIONS
HELO	START SENDING BY SMTP
MAIL	SPECIFY SENDER'S ADDRESS
RCPT	SPECIFY RECEIVER'S ADDRESS
DATA	START SENDING OF MAIL DATA
QUIT	END SMTP CONNECTION

FIG.2 BASIC COMMANDS OF SMTP



3/24

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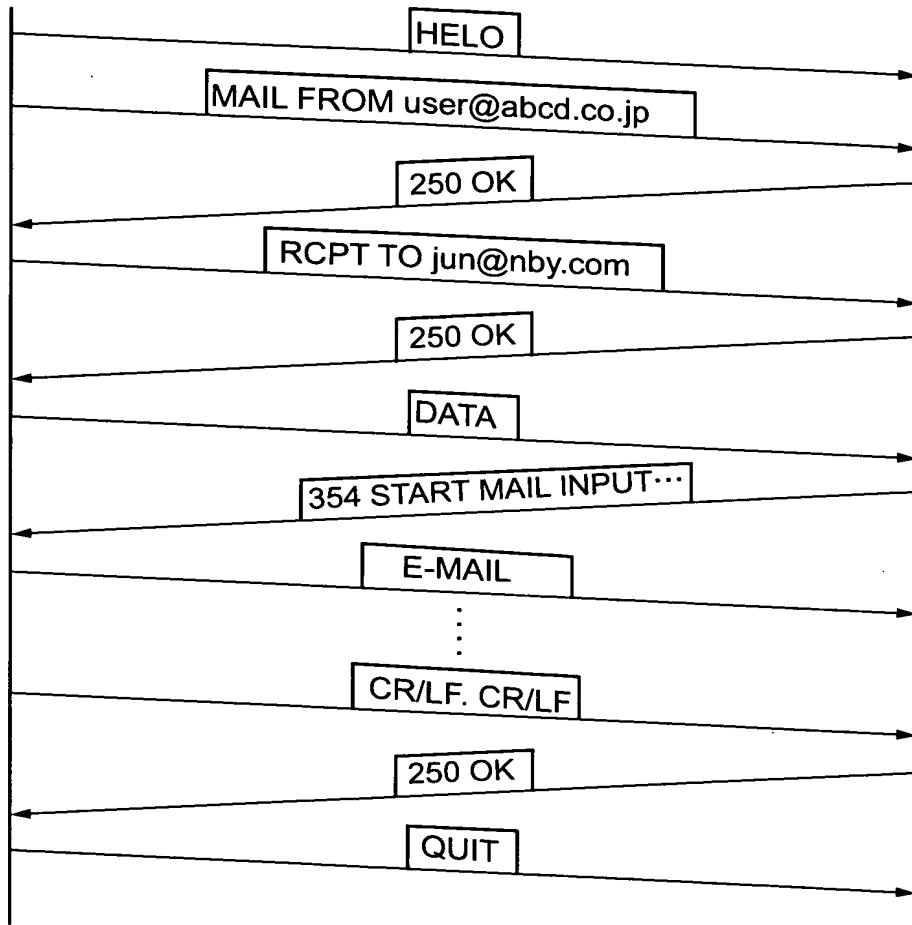
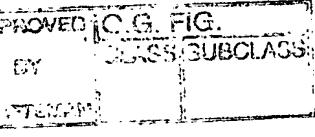


FIG.3 SEND E-MAIL BY SMTP



4/24

COMMANDS	FUNCTIONS
USER	SPECIFY USER NAME
PASS	SPECIFY PASSWORD
LIST	MAIL NO. AND SIZE RETURNED IN RESPONSE TO INQUIRY OF MAIL LIST
RETR	READ A MAIL OF SPECIFIED MAIL NO.
DELE	DELETE THE MAIL SPECIFIED
QUIT	EXECUTE UPDATING OF THE MAIL BOX, THEN END COMMUNICATION OF POP3

FIG.4 BASIC COMMANDS OF POP3

FOTEGO-HGOTZ/260

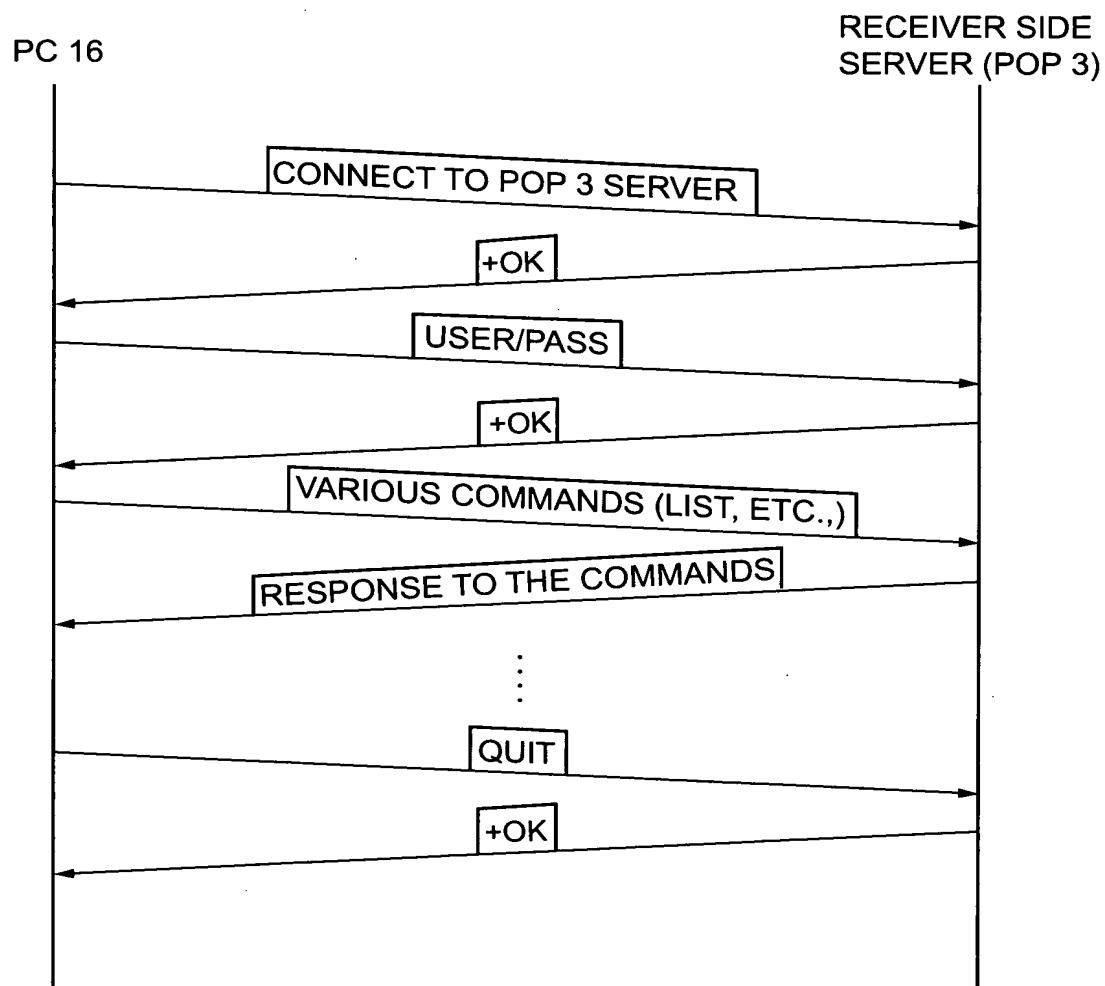


FIG.5 E-MAIL READOUT PROCEDURE BY POP 3

TELE 50 - 1600 260

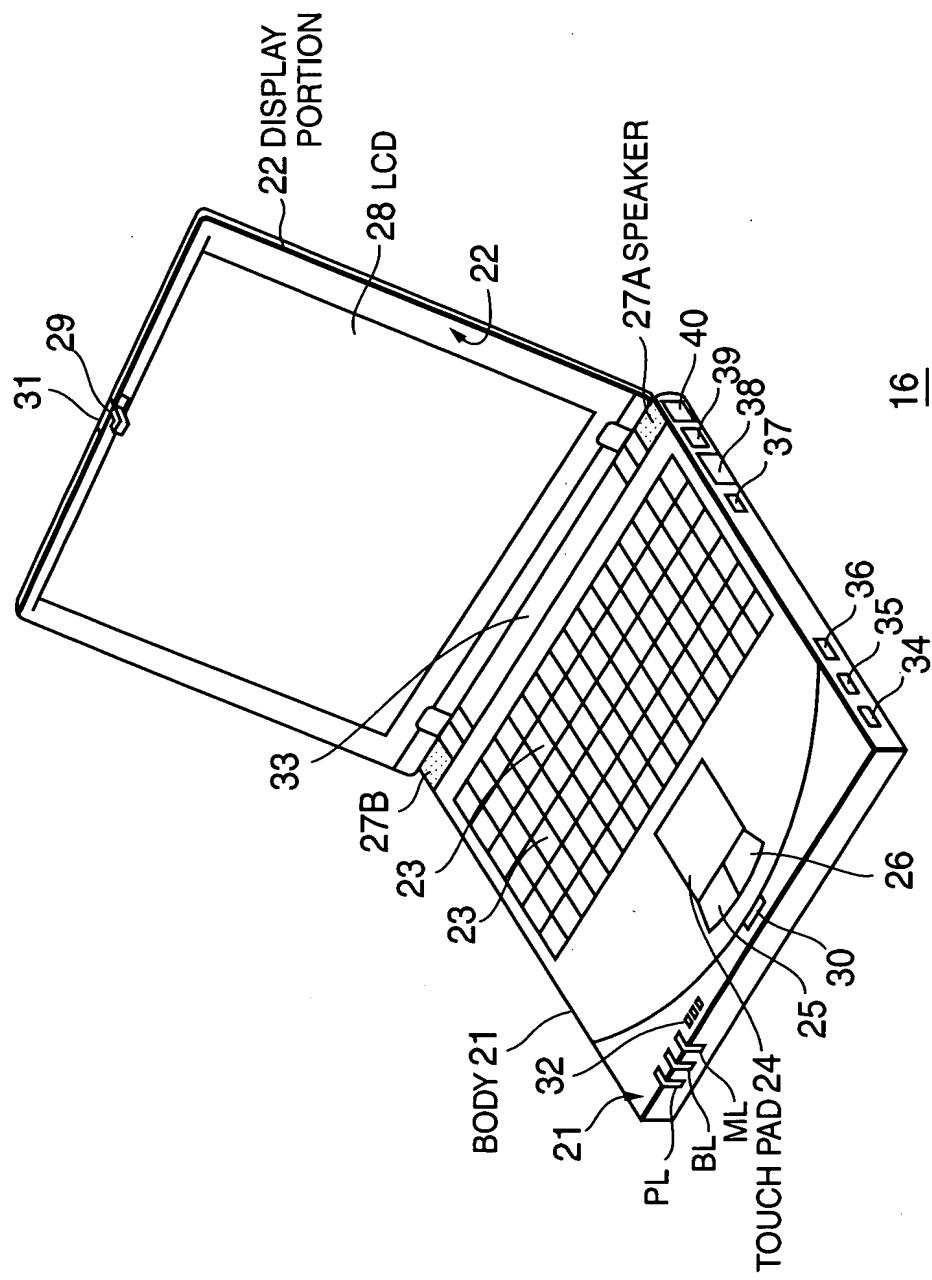


FIG.6 ARRANGEMENT OF PC

7/24

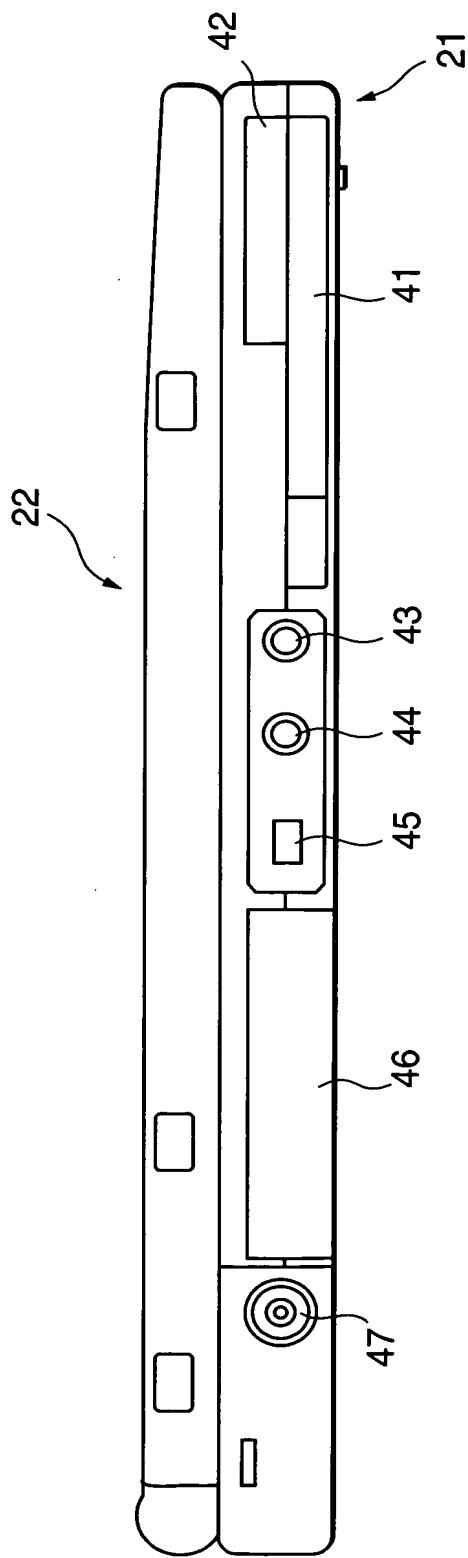


FIG.7 LEFT-HAND SIDE ARRANGEMENT OF PC

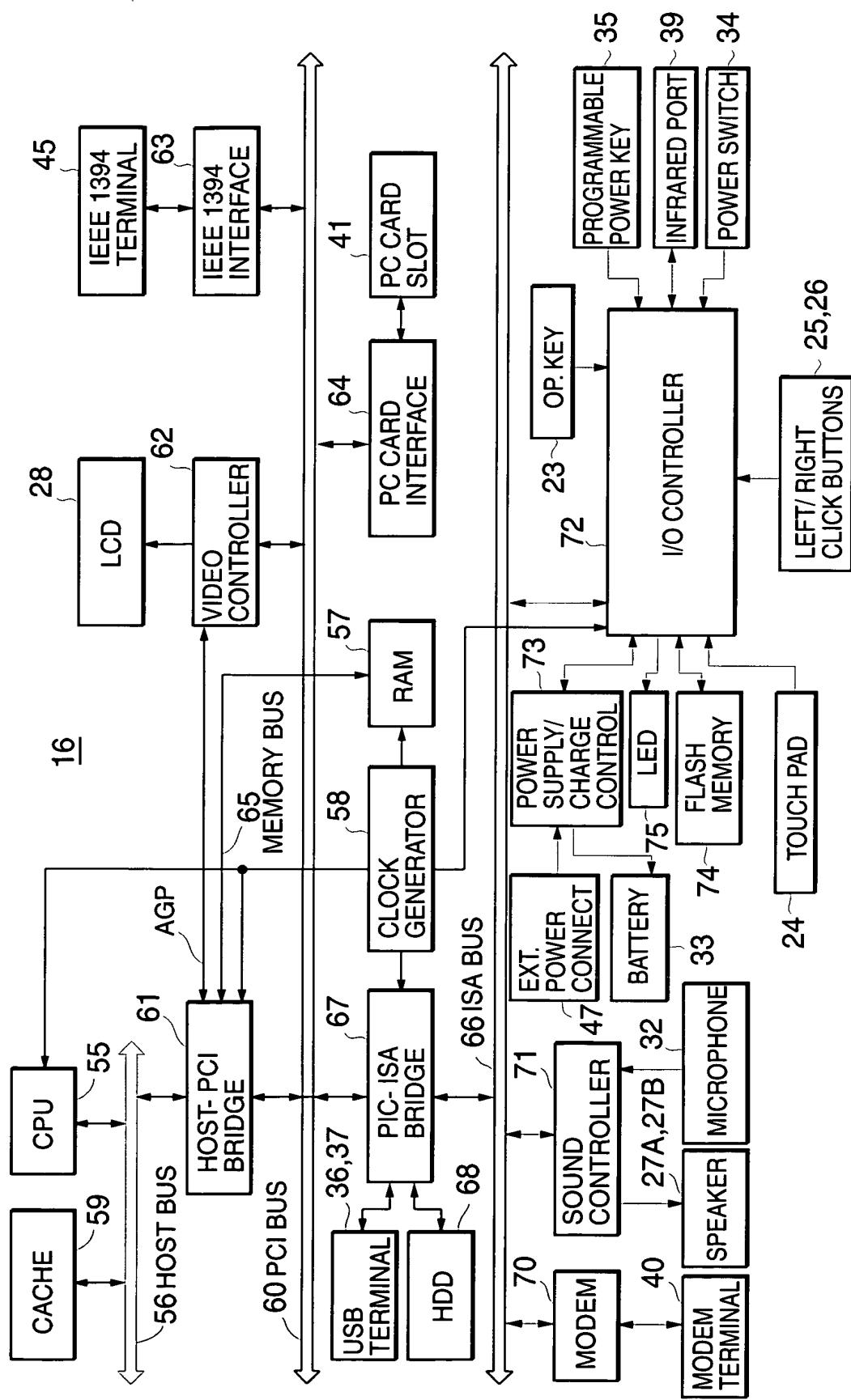


FIG.8 CIRCUIT CONFIGURATION OF PERSONAL COMPUTER

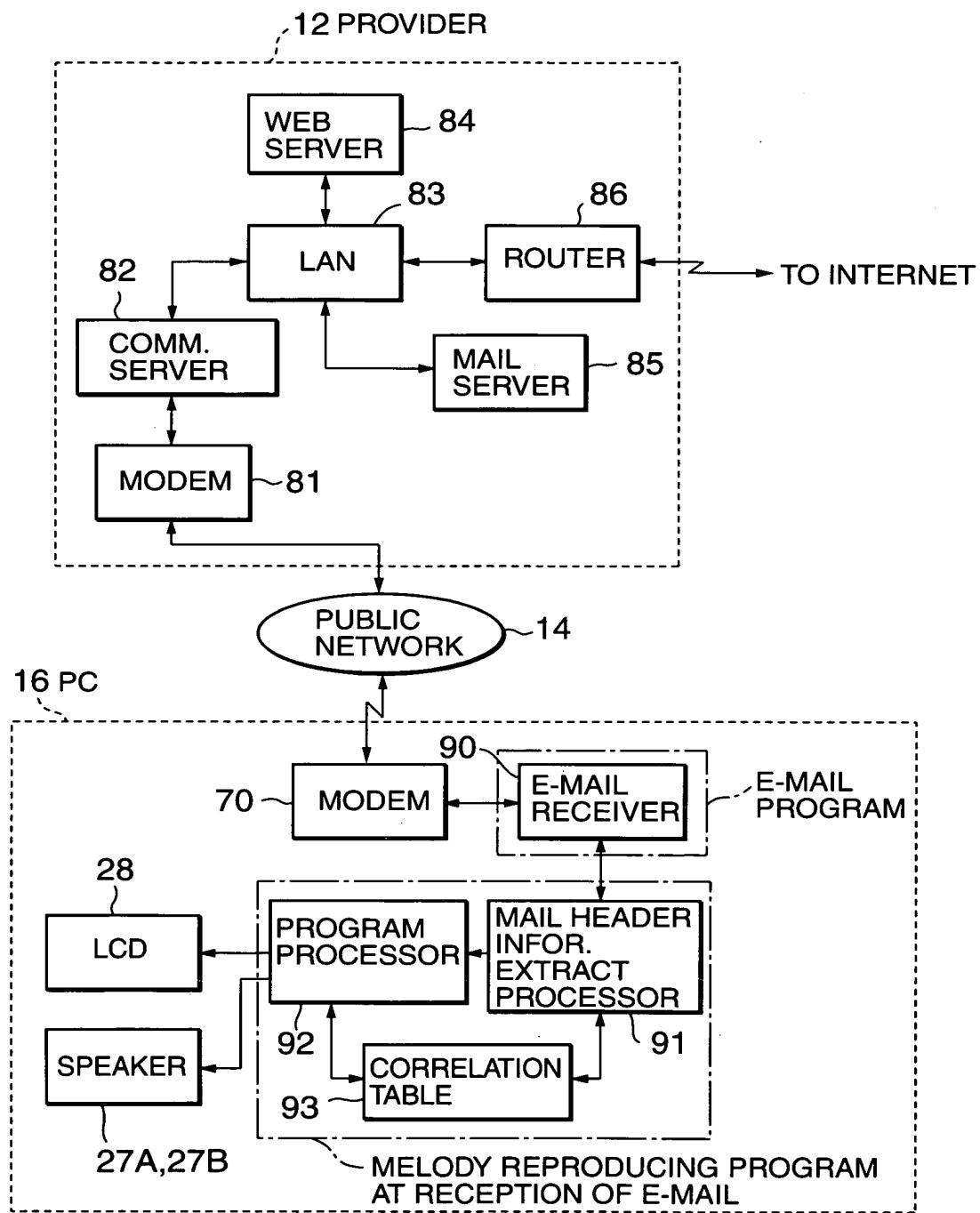


FIG.9 E-MAIL RECEIVE PROCESSING
BETWEEN PROVIDER AND PC

110

<input type="checkbox"/> RECEIVE MELODY CLUB!	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>												
FILE(F) ADDRESS(A) REC. MELODY(M) TOOL(T) HELP(H)													
MAIL ADDRESS (L) DISPLAY ADDRESSES CONTAINING THE FOLLOWING CHARACTERS	REC. MELODY (M) TITLES OF MUSIC NAMES OF ARTISTS (DON'T SOUND MELODY)												
<table border="1"><tr><td>Melody_A</td><td>Artist_A</td></tr><tr><td>Melody_B</td><td>Artist_B</td></tr><tr><td>Melody_C</td><td>Artist_C</td></tr><tr><td>MUSIC_1</td><td>Artist_D</td></tr><tr><td>MUSIC_2</td><td>Artist_E</td></tr><tr><td>MUSIC_3</td><td>Artist_F</td></tr></table>		Melody_A	Artist_A	Melody_B	Artist_B	Melody_C	Artist_C	MUSIC_1	Artist_D	MUSIC_2	Artist_E	MUSIC_3	Artist_F
Melody_A	Artist_A												
Melody_B	Artist_B												
Melody_C	Artist_C												
MUSIC_1	Artist_D												
MUSIC_2	Artist_E												
MUSIC_3	Artist_F												
NAMESS	ADDRESSES												
ABCDEF	abc@def.hif.com												
TEST	test@abc.abcd.co.jp												
REC. MELODY TARO	ukemoro@test.abcd.co.jp												

111 MAIL ADDRESS DISPLAY PORTION

112 MUSIC FILE DISPLAY PORTION

FIG. 10 SET-UP SCREEN

SEARCHED
SERIALIZED
INDEXED
FILED

11/24

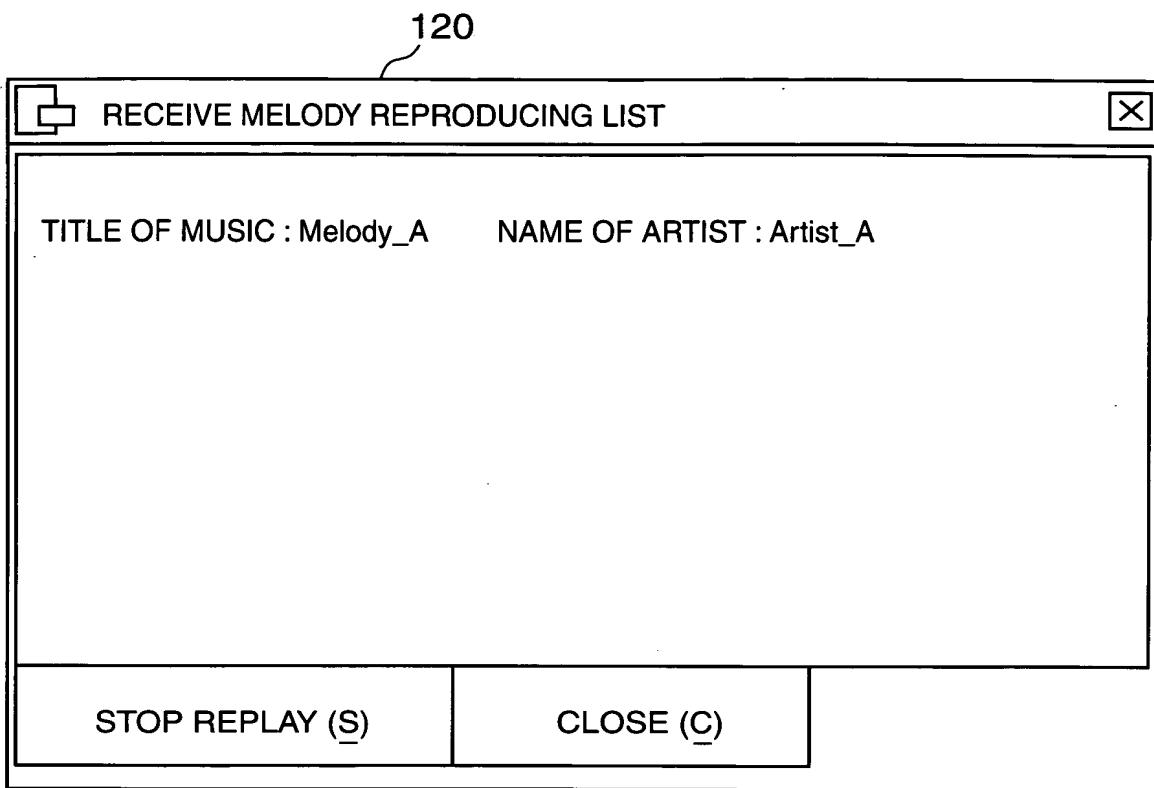


FIG.11 MUSIC TITLE DISPLAY SCREEN ON RECEIVING E-MAIL

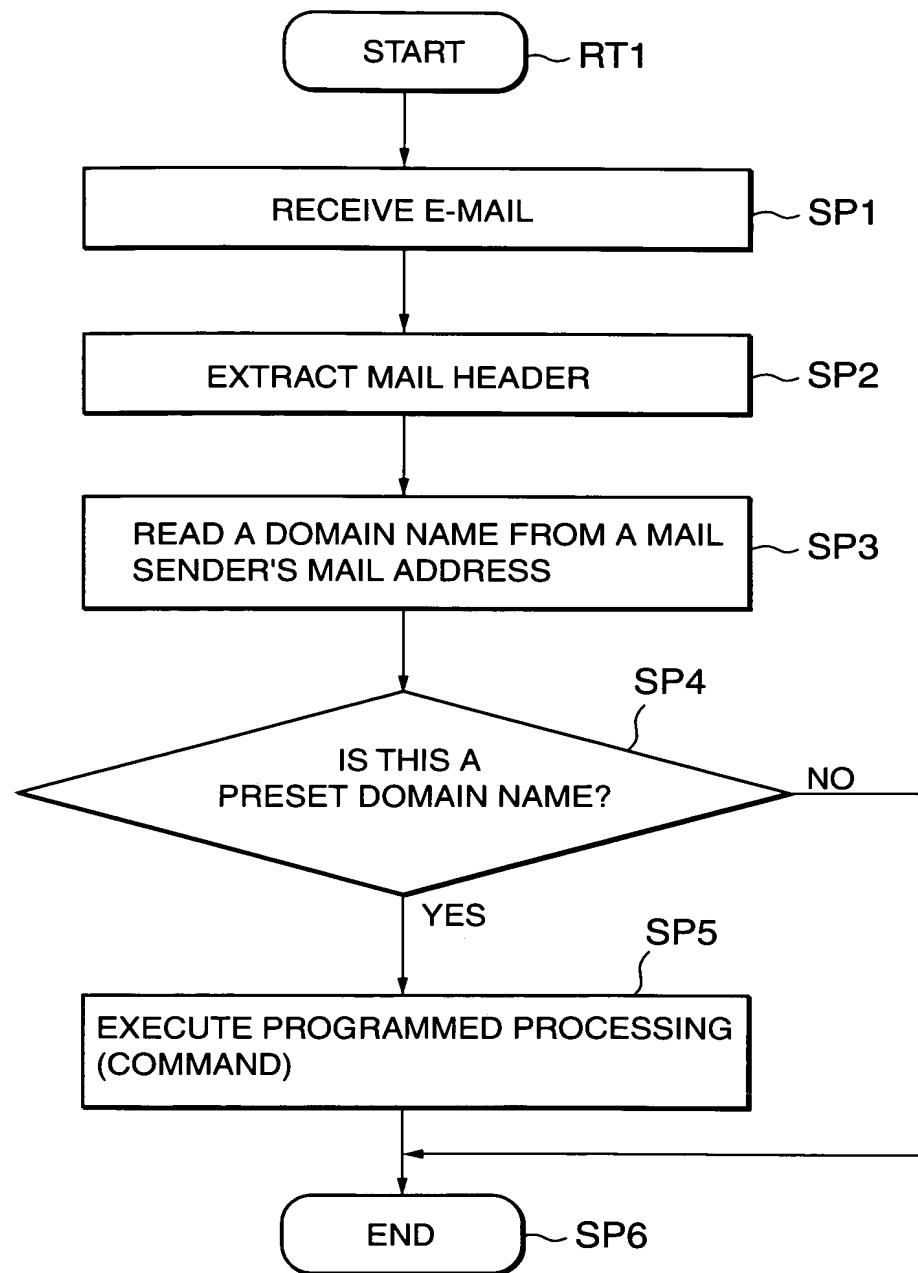


FIG.12 COMMAND EXECUTION PROCEDURE 1
ON RECEIVING E-MAIL

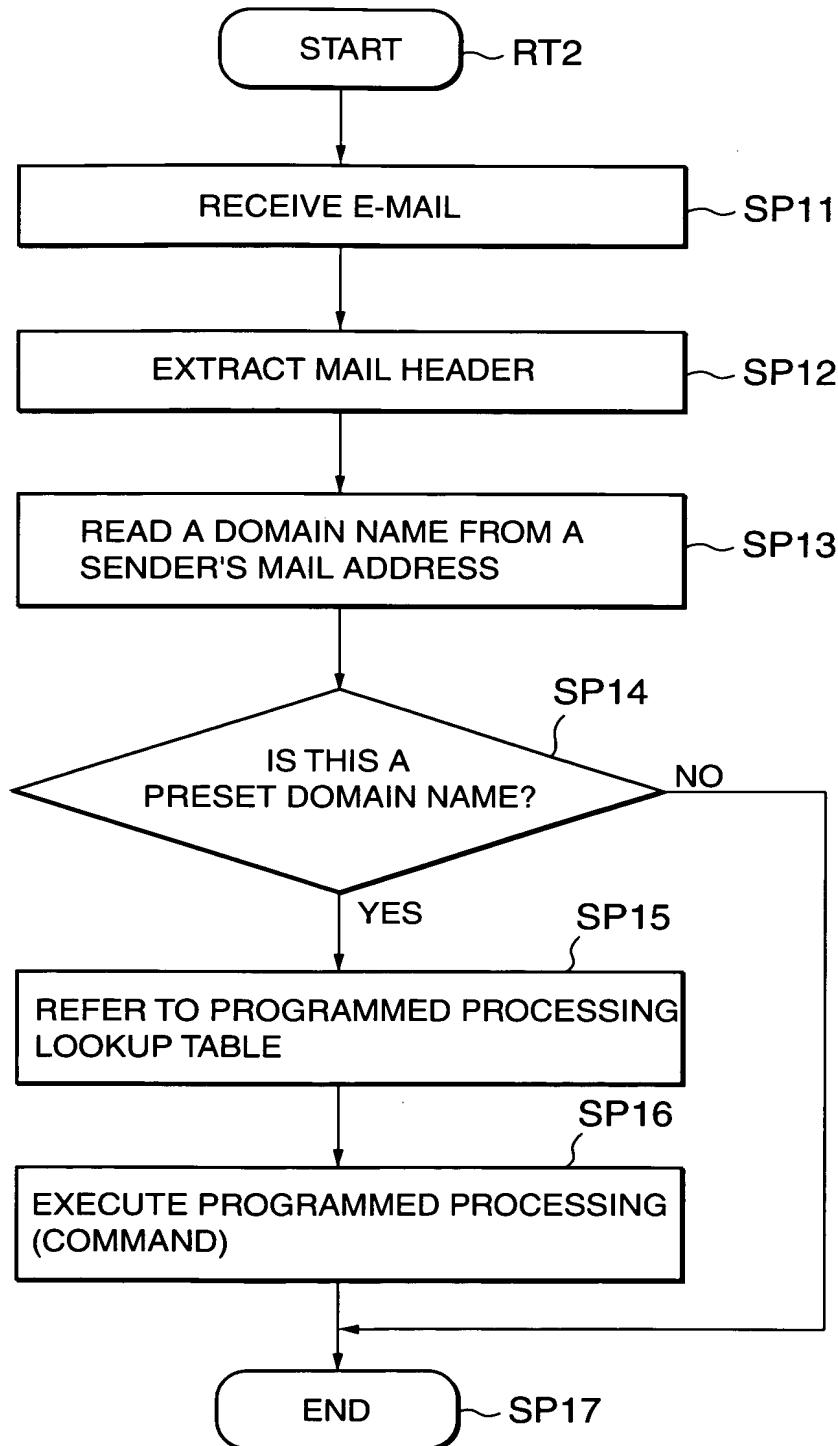


FIG.13 COMMAND EXECUTION PROCEDURE 2
ON RECEIVING E-MAIL

14/24

130

DOMAIN NAMES	FILES
abcd. co. jp	File A (Melody A, Artist A)
efgh. co. jp	File B (Melody B, Artist B)
• • • •	• • • •

FIG.14 PROGRAMMED PROCESSING LOOKUP TABLE
CORRESPONDING TO DOMAIN NAMES

ROUTE 50 - 416072860

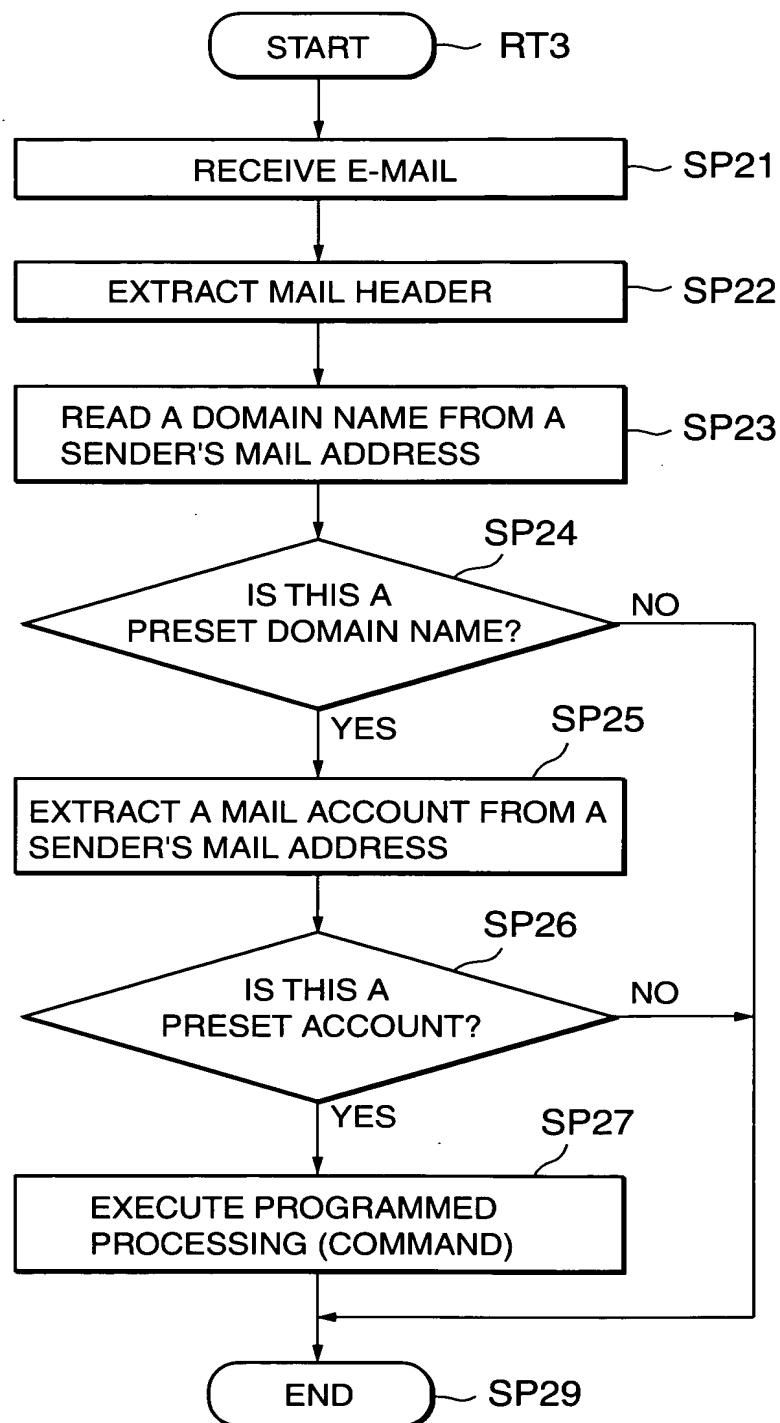


FIG.15 COMMAND EXECUTION PROCEDURE 3
ON RECEIVING E-MAIL

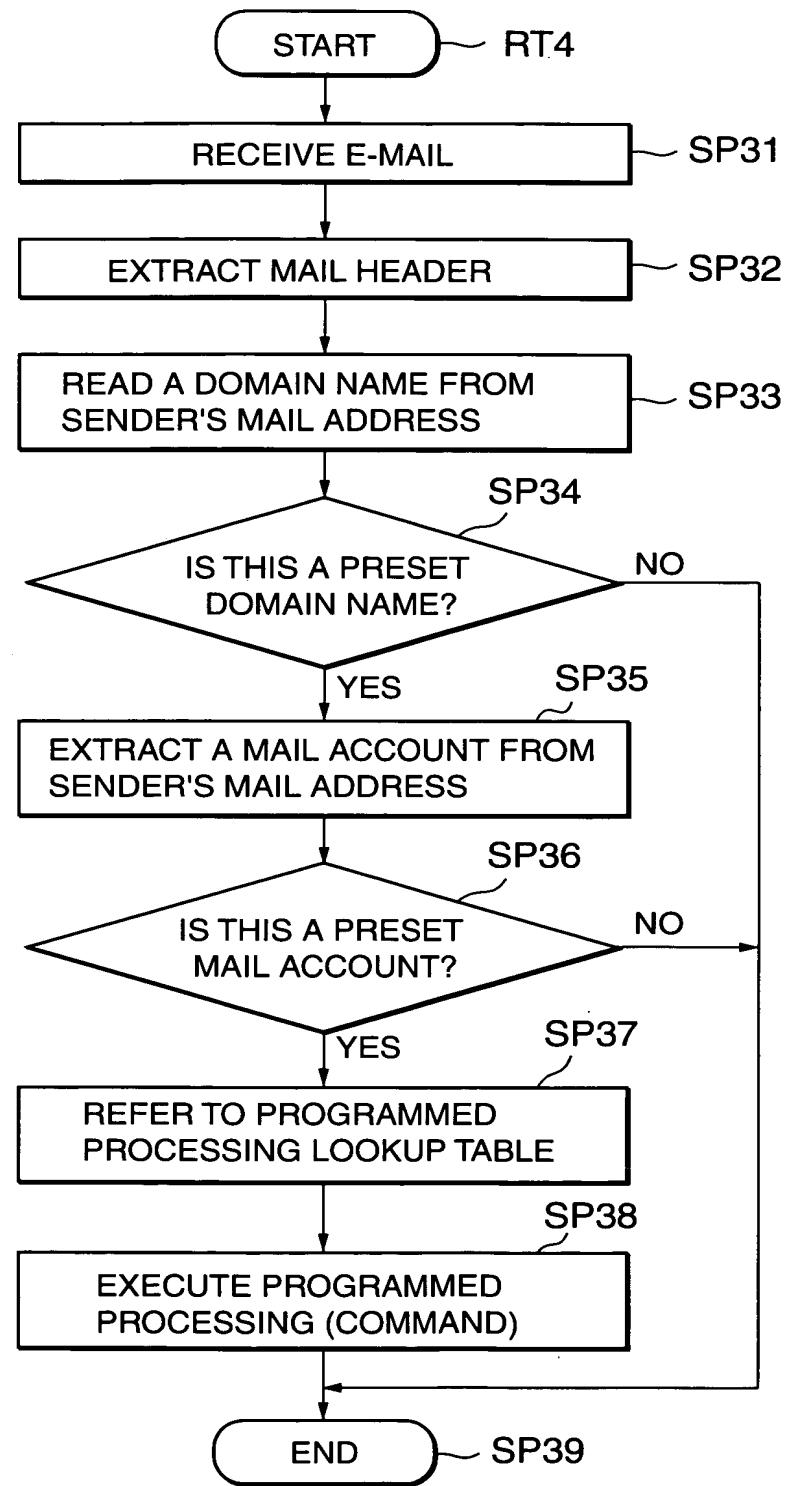


FIG.16 COMMAND EXECUTION PROCEDURE 4 ON RECEIVING E-MAIL

17/24

140

MAIL ACCOUNTS	CHARACTER STRINGS
ukemero	File A (Melody A, Artist A)
TEST	File 1 (MUSIC 1, Artist D)
ABCDEF	File 3 (MUSIC 3, Artist F)
• • • •	• • • •

FIG.17 PROGRAMMED PROCESSING LOOKUP TABLE
CORRESPONDING TO MAIL ACCOUNTS

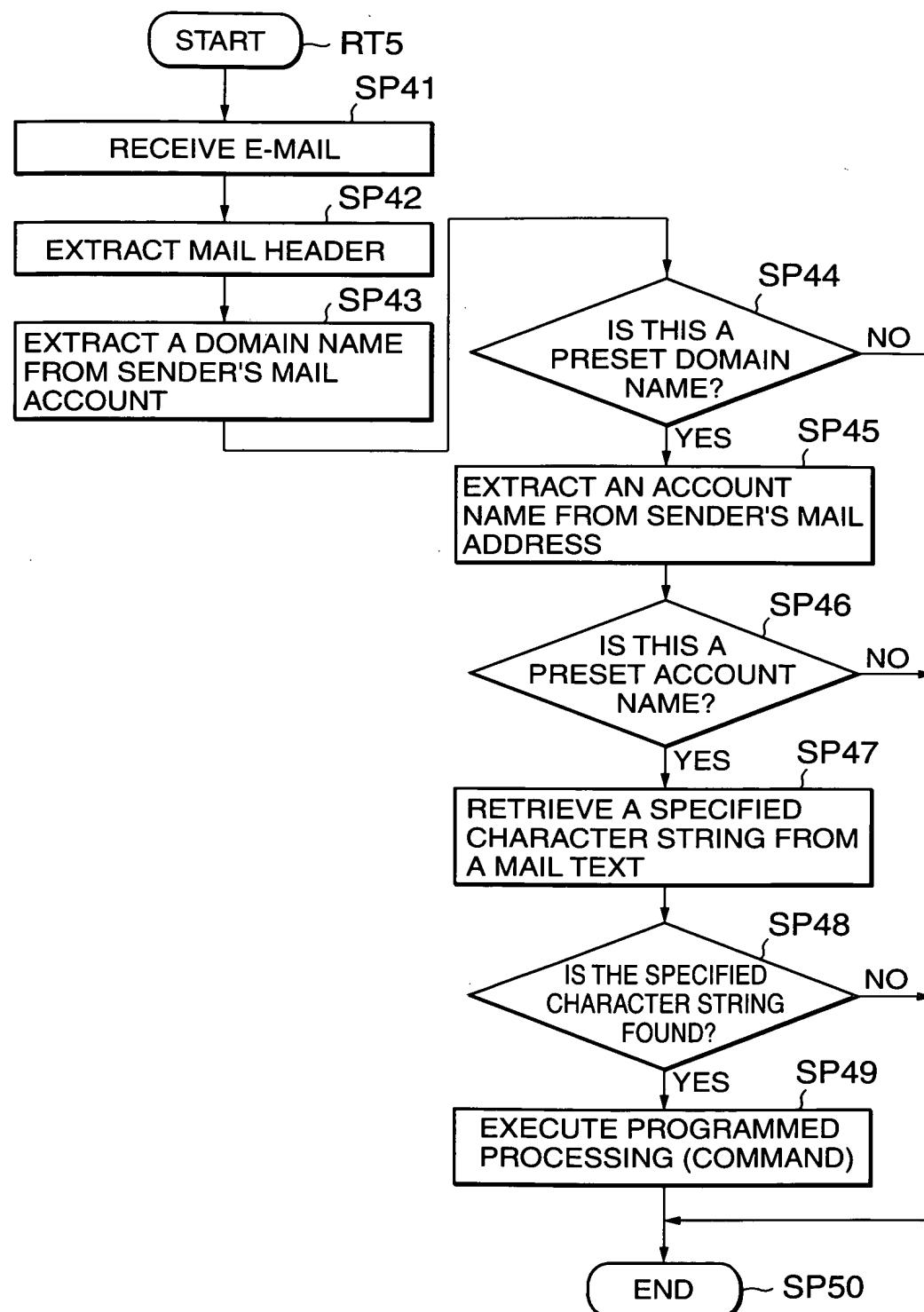


FIG.18 COMMAND EXECUTION PROCEDURE 5
ON RECEIVING E-MAIL

TOP SECRET - INTECOT 2860

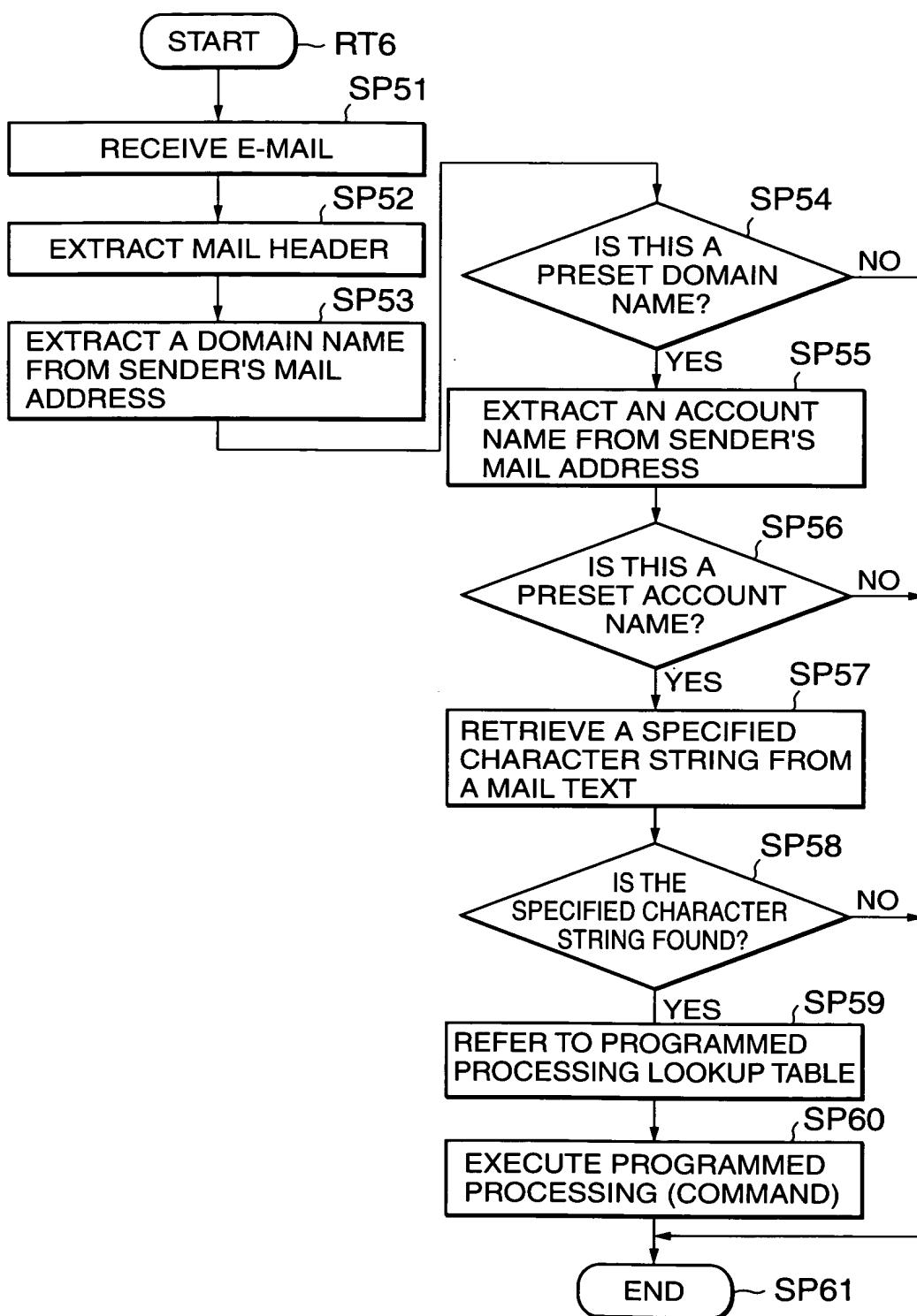


FIG.19 COMMAND EXECUTION PROCEDURE 6
ON RECEIVING E-MAIL



20/24

150

CHARACTER STRINGS	FILES
HELLO	File 5 (MUSIC 2, Artist E)
TARO YAMADA	File C (Melody C, Artist C)
• • • •	• • • •

FIG.20 PROGRAMMED PROCESSING LOOKUP TABLE
CORRESPONDING TO CHARACTER STRINGS

TOP SECRET C.G. FIG. 21

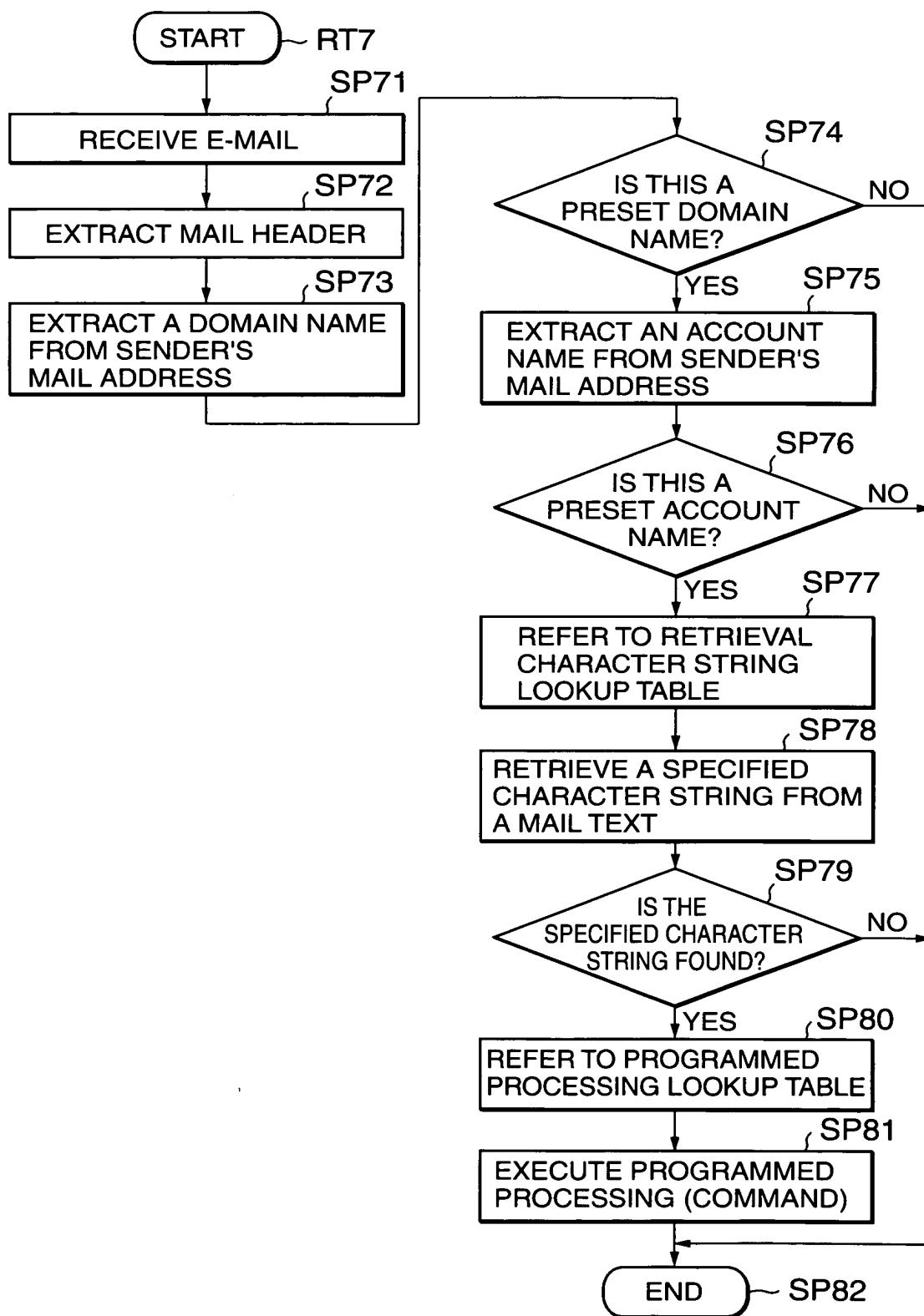
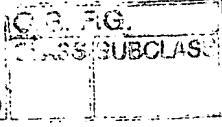


FIG.21 COMMAND EXECUTION PROCEDURE 7
ON RECEIVING E-MAIL

160

MAIL ACCOUNTS	CHARACTER STRINGS
ukemero	HELLO
TEST	TARO YAMADA
ABCDEF	GOOD EVENING
•	•
•	•
•	•
•	•

FIG.22 RETRIEVAL CHARACTER STRING LOOKUP TABLE CORRESPONDING TO MAIL ACCOUNTS



170

NO PRECEDING @)	MAIL ACCOUNT (CHARACTER STRING	COMMANDS	CONTENTS OF PROCESSING
1	URL ¥ ARGUMENT(=abc.defg.co.jp)	GetURL (ARGUMENT)	START THE BROWSER, THEN OPEN A WEB PAGE CORRESPONDING TO ARGUMENT (=abc.defg.co.jp)
2	SAY ¥ ARGUMENT(=HELLO_1)	SAY(ARGUMENT)	REPRODUCE A MUSIC FILE NAMED ARGUMENT (=HELLO_1) TO OUTPUT FROM THE SPEAKER
3	POP ¥ ARGUMENT(=MSG_A)	POPUP (ARGUMENT)	OPEN THE POPUP WINDOW, AND DISPLAY CONTENTS OF THE FILE NAMED ARGUMENT (=MSG_A)
4			

.....

FIG.23 PROGRAMMED PROCESSING LOOKUP TABLE ACCORDING TO
ANOTHER EMBODIMENT OF THE INVENTION

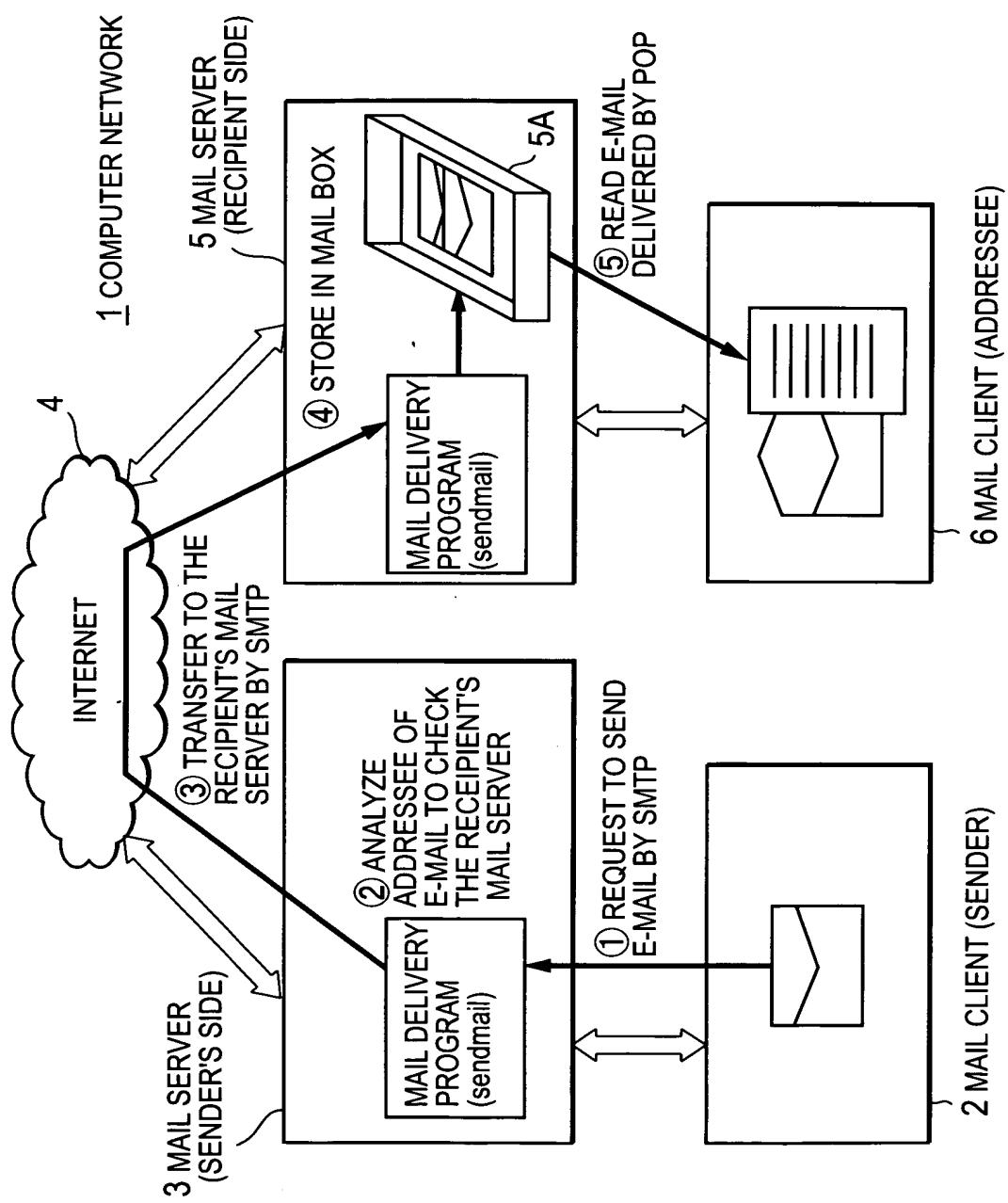


FIG.24 E-MAIL DELIVERY CONFIGURATION